

Title (en)

EVALUATION DEVICE, EVALUATION METHOD, AND PROGRAM

Title (de)

BEURTEILUNGSVORRICHTUNG, BEURTEILUNGSVERFAHREN UND PROGRAMM

Title (fr)

DISPOSITIF D'ÉVALUATION, PROCÉDÉ D'ÉVALUATION ET PROGRAMME

Publication

EP 3979609 A4 20230628 (EN)

Application

EP 19931002 A 20190816

Priority

- JP 2019021487 W 20190530
- JP 2019032178 W 20190816

Abstract (en)

[origin: EP3979609A1] The number of conversational tests required for evaluation of acoustic quality of the ICC system is reduced. An evaluation value converting device 3 evaluates the quality of a conversation made across a near-end acoustic area 100 and a far-end acoustic area 200 inside a vehicle in which a plurality of acoustic areas are predetermined. A voice signal collected by a microphone M2 disposed in the far-end acoustic area 200 is emitted from a speaker S1 disposed in the near-end acoustic area 100. An objective evaluation value acquisition unit 33 acquires an evaluation value using, as an evaluation target sound, a voice signal obtained by adding a voice signal obtained from a first voice signal emitted from a sound source in the far-end acoustic area 200, collected by the microphone M2, and emitted from the speaker S1 to a voice signal obtained from the first voice signal transmitted through a space inside the vehicle and reaching the near-end acoustic area 100, with the first voice signal being used as a reference sound.

IPC 8 full level

H04M 1/24 (2006.01); **H04M 9/02** (2006.01); **H04M 9/08** (2006.01)

CPC (source: EP US)

H04M 1/24 (2013.01 - US); **H04M 1/6075** (2013.01 - US); **H04M 9/02** (2013.01 - EP); **H04M 9/082** (2013.01 - EP US)

Citation (search report)

- [A] JP 2018064162 A 20180419 - NIPPON TELEGRAPH & TELEPHONE
- [A] JP 2017135484 A 20170803 - HIGASHI NIPPON RYOKAKU TETSUDO
- [A] NOBUHIKO KITAWAKI UNIVERSITY OF TSUKUBA JAPAN ET AL: "Methodologies for the Performance Evaluation of Noise Reduction Algorithms and the Performance Estimation of Noisy Speech Recognition using PESQ; D 34", ITU-T DRAFT STUDY PERIOD 2005-2008, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, vol. STUDY GROUP 12, 18 January 2005 (2005-01-18), pages 1 - 8, XP017406090
- See also references of WO 2020240880A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3979609 A1 20220406; **EP 3979609 A4 20230628**; JP 7238978 B2 20230314; JP WO2020240880 A1 20201203; US 2022263933 A1 20220818; WO 2020240768 A1 20201203; WO 2020240880 A1 20201203

DOCDB simple family (application)

EP 19931002 A 20190816; JP 2019021487 W 20190530; JP 2019032178 W 20190816; JP 2021522611 A 20190816; US 201917613908 A 20190816